

Abstract

Title:

Analysis of errors futsal referees in relation to their position and physical activity on the pitch

Problem:

Description of the performance of the referee should be one of the key aspects of the futsal referees system preparation. The current situation, according to knowledge of descriptors of futsal referees performance is not sufficient and adequate to those players' or referees from other sports games. These descriptors will help in the planning and implementation of a systemic approach to futsal referee training in the Czech Republic with the possibility of transfer to the international level. The issue is whether futsal referee error in the assessment of game situations changes in connection with its status and physical strain in the game.

Objective:

The main objective is to contribute to solving the problems of performance analysis referee in sports games. The specific objectives of the work are: exploration and description of physical activity of futsal referees in the game; description and explanation of referee decisions in relation to their position on the pitch and physical activity; make recommendations supported by the results of the work which will help in the upbringing and education of futsal referees in the country the position on the field – to obtain evidence for systemic training of referees.

Methods:

The key methods of work are intermittent physical activity analysis and expert evaluation of selected game situations by an expert group.

Outcome and conclusions:

Physical activity of futsal referee in the match is characterized as intermittent with the following basic information: the dominant type of locomotion physical activity is forward locomotion which constitutes 44 % of the time the game; number of acyclic activities is 5 per minute of the game; volume of physical activity expressed as the total running distance locomotion was on average 4531 ± 315 m during the match; average distance of locomotion section is 6.41 ± 0.48 m in the match; average relative intensity of the strain of the referees in the game was detected at the level of 75.17 ± 7.75 % of their maximum heart rate; errors in decisions is 6.67 % for the whole game. Between the error rate in the decisions of judges and

the quality status was only found statistically significant correlation ($r_s = 0.265338$, $p = 0.006227$), but there was no substantive significance. We recommend more research addressing physical activity of futsal referees in the context of the analysis error and transfer to the international level .

Keywords: futsal, referees, intermittent physical activity, sports games.